

L 60859-65	EWT(m)/EPF(c)/ENP(j)/T/ENP(t)/ENP(b)	IJP(c)/RPL	JD/WI/RM				
ACCESSION NR:	AP5018924	UR/0363/65/01/006/1900/0902 661.635.6					
AUTHOR:	Perel'man, F. M.; Zvorykin, A. Ya.; Gamza, L. B.						
TITLE:	Degree of polymerization of potassium metaphosphate at various temperatures						
SOURCE:	AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 6, 1965, 900-902						
TOPIC TAGS:	potassium metaphosphate, inorganic polymer, polyphosphate						
ABSTRACT:	To determine the nature of the polymerization process, a preparation of $\text{KH}_2\text{PO}_4$ was heated for 3 hr. at various temperatures (300, 500, 700, and 900°C), and rapidly cooled. The weight loss was determined, and the samples were analyzed by paper chromatography. The diffusion method was used to find the average degree of polymerization. The condensation process takes place via the reaction $\text{KH}_2\text{PO}_4 \rightarrow \text{K}_2\text{H}_2\text{P}_2\text{O}_7 \rightarrow \text{KPO}_3$ . It was found that at 300°C the sample consists of a mixture of 90% potassium acid pyrophosphate and 10% potassium metaphosphate having a ring structure. At 500°C, the preparation contains 96.2% chain polyphosphates and a slight amount of ring metaphosphates; chain metaphosphates with a structure close to $(\text{KPO}_3)_6$ are formed. At higher temperatures, longer chains						
Card 1/2							

L 60889-65

ACCESSION NR: AP5018924

are formed, and at 900°C the polymer chain already contains 22 molecules of KPO<sub>3</sub>. At 500, 700, and 900°C, the average degree of polymerization is respectively equal to 6.1, 13.6, and 21.7. A comparison of the polymerization of potassium phosphate and sodium phosphate shows that the former begins to polymerize at a lower temperature (below 500°C), whereas the latter does so above 500°C. However the degree of polymerization of potassium metaphosphates at 900°C is almost one-half that of sodium metaphosphates at this temperature. Orig. art. has: 2 figures, 1 formula and 2 tables.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova  
Akademii nauk SSSR (Institute of General and Inorganic Chemistry, Academy of  
Sciences SSSR) *44*

SUBMITTED: 12Nov64

ENCL: 00

SUS CODE: IC, GC

NO REF SOV: 002

OTHER: 003

Card 2/2

GAMZA, Yozef [Hamza, J.], slovatskiy zhurnalist

In the biological laboratory of the city of Nitra. Nauka i  
zhyttia 10 no.9:61-63 S '60. (MIRA 13:9)  
(NITRA, SLOVAKIA--BIOLOGICAL LABORATORIES)  
(VACCINES)

GAMZATOV, Abakar.

488

Nash opty vyrashchivaniya  
bakhchevykh na korm skotu. Lkolkhoz im. Dakhadayeva,  
Buynakskogo rayona<sup>7</sup>. Lit. zapis' N.N. Odoyevskogo,  
Makhochkala, Dagknigoizdat, 1954. Obl., 4 s. 20 sm. (M-vo  
sel'skogo khozyaystva DASSR. Upr. s.-kh. propagandy i  
nauti. Dagest. Resp. s.- kh. vystavka). 1.000 ekz. Bespl.-  
L 54-54651 p 635.6sr (47.914)

SO: Knizhnaya Letopis, Vol. 1, 1955

AVDEYEV, Ya.I.; GAMZATOV, S.M.; LYKOV, Ye.A.

Controlling a gasser at well No.1 in the Kultak area. Burenie  
no. 3:29-31 '64. (MIRA 18:5)

1. Trest "Karshineftegazrazvedka".

ANDEYEV, Ya.I.; GAMZATOV, S.M.

Well drilling with a diamond bit. Burenie no.10:17-19 '64.  
(MIRA 18:6)

1. Vostochnaya nefterazvedochnaya ekspeditsiya glubokogo  
bureniya tresta "Karshineftegazrazvedka".

GAMZAYEV, M. A.:

Min Education Azerbaiydzhan SSR. Azerbaiydzhan State Pedagogical Inst  
imeni V. I. Lenin.

GAMZAYEV, M. A.: "The psychological aspects of the formation and development  
of the habits of writing consonants among the students of the second class  
(based on material from an Azerbaiydzhan elementary school)." Min Education  
Azerbaiydzhan SSR. Azerbaiydzhan State Pedagogical Inst imeni V. I. Lenin.  
Baku, 1956.

(Dissertation for the Degree of Candidate in Pedagogical Sciences)

SO: Knizhnaya Letopis', No. 20, 1956.

GAMZAYEV, M.A. (Baku); GASHIMOV, A.Sh. (Baku); ALI-ZADE, A.A. (Baku)

"Psychological essays" by M.Magerramov. Reviewed by M.A.  
Gamzaev, A.Sh.Gashimov, A.A.Ali-Zade. Vop.psikhol. no.6:  
155-156 N-D '62. (MIRA 16:2)  
(Psychology) (Magerramov, M.)

MAMEDOV, T.A.; GAMZAYEV, O.D.

Preliminary data on the presence of an Eocene nummulite facies in  
the upper reaches of the Tutkhun River (at the village of Asrik).  
Dokl.AN Azerb.SSR 16 no.9:859-862 '60. (MIRA 13:12)

1. Institut nefti i khimi imeni M. Azizbekova AN AzSSR Predstavleno  
akademikom AN AzSSR M.A. Kashkayem.  
(Tutkhun Valley--Nummulites)

GAMZAYEV, I. A , kand.tekhn.nauk

Investigating the wear resistance of tractor cylinder sleeves  
hardened by high-frequency current. Trudy MIMESKH 8:56-70 '59.  
(MIRA 13:9)  
(Tractors--Engines--Cylinders)

GAMZAYEV, Yu. D., Cand Tech Sci -- "Methods of decreasing deformation of sheet constructions made of metals from lightweight fused alloys under argon-arc welding." (Kiev), 1961. (Acad Sci UkrSSR. Order of Labor Red Banner Inst of Electric Welding im Ye. O. Paton) (KL, 8-61, 241)

- 210 -

GAMZAYEV, Yuriy Dzagangirovich, inzh.; RYZHIK, Z.M., red.; GVIRTS, V.L.,  
red.izd-va

[Ways of reducing deformations in thin-sheet light-alloy structures  
during argon-arc welding; industrial equipment] Puti umen'sheniya  
deformatsii tonkolistnykh konstruktsii iz lekkikh splavov pri argono-  
dugovoi svarke; tekhnicheskaya osnastka. Leningrad, 1961. 31 p.  
(Leningradskii Dom nauchno-tehnicheskoi propagandy. Obmen peredovym  
opytom. Seriia: Svarka i paika metallov, no.6) (MIRA 14:9)

(Light metals—Welding)  
(Electric welding—Equipment and supplies)

12300

3263  
S/137/61/000/011/052/123  
A060/A101

AUTHOR: Gamzayev, Yu. D.

TITLE: Argon-arc welding of light alloy structures

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 11, 1961, 17, abstract  
11Ye99 ("Transp. str-vo", 1961, no. 5, 45-47)

TEXT: It is indicated that the extensive application of Al-Mg alloy structures welded by argon-arc welding in construction, in transport, and in ship-building, was retarded due to arising of large deformations under welding. In order to eliminate or considerably reduce the deformation (bulges and corrugations) in the process of argon-arc welding of thin sheet structures from light alloys, the author has elaborated a method for determining the total and local deformations, and also laid down the fundamentals for designing a special industrial rig for the assembly and welding of structures. Welding techniques in inert gas atmospheres (argon and He) with the use of consumable and W-electrodes are described. It is indicated that in order to reduce the deformation caused by bulging and corrugation one should tend to reduce the welding schedules promoting a reduction of the total welding deformations and the

Card 1/2

32603

Argon-arc welding of light alloy structures

S/137/61/000/011/052/123  
A060/A101

lowering to a minimum their interaction in the process of heating up and cooling down of the welded components. For this purpose it is necessary to use a special rig consisting of a system of clamping elements (rails) lined with Al, between which the sheet being welded is clamped. The industrial rig used for fabricating various sections and also for welding the sections fabricated into a block, is described.

V. Tarisova

[Abstracter's note: Complete translation]

X

Card 2/2

1.23(10) 1573

22014  
S/135/61/000/006/003/008  
A006/A106

AUTHOR: Gamzayev, Yu. D., Engineer

TITLE: Calculating the components of technological equipment for welding thin sheet sections

PERIODICAL: Svarochnoye proizvodstvo, no 6, 1961, 16-19

TEXT: Light-alloy thin sheet structures are deformed during welding by bulgings and warpings, caused by compressive forces during cooling and angular deformations. Mechanization and automation in the manufacture of large-size light-alloy thin-sheet structures is practically impossible without employing technological equipment reducing or eliminating bulgings and warpings. For the purpose of designing such equipment, the author developed a method of determining general and local deformations in argon-arc welding light alloys. An ideal solution of the problem is possible by using a technological system shown in Fig. 1 where the sheet to be welded is clamped between solid plates (bars) assuring ultimate pressure on the sheets to be welded and ultimate heat elimination from their surfaces, and reducing welding deformations, due to friction forces which develop between the sheets and the clamping plates. High specific pressure

Card 1/6

22014

S/135/61/000/006/003/008  
A006/A106

Calculating the components of technological ...

of the plates on the sheets to be welded eliminates interaction of welding deformations during heating and cooling of the sheet and reduces angular deformations and bulgings. This system is practically accomplished by designing equipment which consists of a system of aluminum or copper lined bars clamping the sheet to be welded. To calculate such an equipment the author determined the longitudinal deformation ( $\Delta_{ts.t}$ ) during argon-arc welding light-alloy thin sheets in free state, during compulsory heat elimination, and determined angular deformations. Formulae are given for determining the basic rated forces acting upon the compressing bars and the welding bed and the geometrical parameters of the bars. (6, 7, 8)

$$P_n = P_T + P_\Delta + P_\beta + P_G \quad (6)$$

where  $P_T$  is the force determined from conditions assuring proper heat elimination by developing sufficient specific pressure between the sheet, the bed and the bar ( $P_T = 0.5 q_t \cdot L_{bar}$ ), where  $q_t = 15.6$  kg per 1 cm of the bar length (25 cm bar width);  $P_\Delta$  is the force required for developing friction forces between the sheet, the bar and the welding bed, which equilibrate the force in the sheet caused by longitudinal welding deformation ( $\Delta P = \frac{\Delta_{ts.t}}{2 \cdot L \cdot f} E \cdot B_o \cdot \delta$ ). The friction coefficient of aluminum on aluminum  $f_o$ , is 0.27;  $R_\beta$  is the force required to overcome lagging of the sheet from the welding bed under the effect of angular

Card 2/6

2014  
S/135/61/000/006/003/008  
A006/A106

Calculating the components of technological ...

deformation ( $P\beta = 0.5 \cdot P \cdot L$ ) where  $P$  is the rated specific pressure per 1 cm bar length. The rated linear load of the clamping bar is determined by formula (7):

$$q_n = \frac{2P}{L_{bar}} ; \quad (7)$$

The moment of inertia of a bar with reverse deflection is calculated by formula (8):

$$I_{bar} = 6.21 \cdot 10^{-9} \cdot \frac{q_n \cdot L_{bar}^4}{y} \quad (8)$$

where  $q_n$  is the linear load on the bar determined by formula (7) and  $y$  is the reverse deflection of the bar. The described method was used to calculate experimental technological equipment (Fig. 7) consisting of a system of clamping bars with reverse deflection and bars with clamping screws. This equipment may be used in case of a reduced number of plane sections of 2.35 x 6 m dimensions and admissible depth of curvature of 2 - 3 mm. Heavy traveling-beam type bars (Fig. 8) are employed for welding butts and assemblies in mutually perpendicular positions. The clamping bars are equipped with pneumatic jacks which abut against longitudinal beams over the welding bed. The components are clamped by short bars mounted underneath the compressing basic bars. For the manufacture of

Card 3/6

22014

S/135/61/000/006/003/008  
A006/A106

✓

Calculating the components of technological ...

structures divided into several sections in shipbuilding a traveling truss was designed. A system of clamping bars is suspended to its lower strake, equipped with screws or pneumatic jacks to clamp the bars against the sheets to be welded. Practically, this design was accomplished by changing the system of pressure transmission through the clamping bars: the jacks were replaced by a special device, consisting of a thick flexible hose in a separate housing. Rods connected with the clamping bars abut against the hose. When pressure is created in the hose, the rods press the bars to the sheets. The use of the described devices for assembly and welding of light-alloy sections decreased local deformation which may be reduced to zero by employing heavier equipment. There are 8 figures.

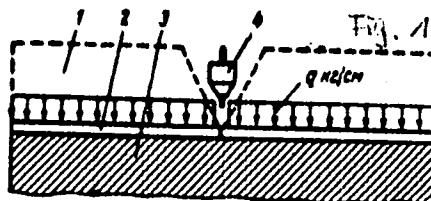
ASSOCIATION: Proyektnyy institut "Giprosantekhprom" ("Giprosantekhprom" Planning Institute)

Figure 1:

System of clamping a thin sheet during welding;  
1 - clamping heat-eliminating solid plate; 2 -  
sheets to be welded; 3 - bed with heat elimina-  
tion; 4 - electrode holder

Card 4/6

Figure 1:



GAMZAYEVA, I. A., Cand Med Sci -- (diss) "Data <sup>for</sup> pertaining to  
~~descriptum~~ ~~the characteristic~~ of atypical strains of the Fleksner  
dysentery group." Baku, 1958. 11 pp (Azerbaydzhan State Med  
Inst im N. Narimanov). 200 copies.  
(KL, 12-58, 102)

-81-

GAMBATYVA, L. A.; MAMMIV, G. N.

Experimental device for chronic irradiation of animals. Med. rad. 20  
no. 3481-82. Nr 165.  
(MTR4 18e6)

1. Otdel radiatsionnoy imunologii i mikrobiologii nauchno-issledo-  
vatel'skogo instituta epidemicheskoi, mikrobiologii i gigiyengi  
imeni Musabekova Ministerstva zdravookhraneniya Azerbaydzhanskoy  
SSR, Baku.

L 23783-66 EWT(m)

ACC NR: AP6015184

SOURCE CODE: UR/0241/65/010/003/0081/0082

AUTHOR: Gamzayeva, I. A.—Gamzaeva, I. A.; Salimov, Sh. M.

ORG: Division of Radiation Immunology and Microbiology, Scientific Research Institute of Epidemiology, Microbiology, and Hygiene im. G. M. Musabekov, Ministry of Health of Azerbaijan, Baku (Otdel radiatsionnoy immunologii i mikrobiologii nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigiyeny Ministerstva zdravookhraneniya AzerbSSR)

TITLE: Experimental unit for the systematic irradiation of animals

SOURCE: Meditsinskaya radiobiologiya, v. 10, no. 3, 1965, 81-82

TOPIC TAGS: gamma irradiation, radiation shielding, radiation biologic effect

**ABSTRACT:** An experimental installation was constructed in which animals are subjected to irradiation with gamma-rays at dosage ranges of 0.325-1.025 r/hr from a Co<sup>60</sup> source with a capacity of 1.27 g-equivalents of Ra. Irradiation is carried out for 4-8 hrs. Ously in two-level cages arranged circularly around the radiation source. The intention exists of conducting radiation experiments and observing irradiated animals for periods up to 2 yrs. The radiation source is provided with a lead cover and is lifted to the desired height together with the cover from a well in which it is kept when not in use. The walls of the well are lined with concrete containing baryte to provide radiation shielding. The whole installation is below ground level and is shielded with concrete and baryte. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06, 18 / SUBM DATE: 23 May 64  
 Card 1/1 PR UDC: 578.084.1: 616-001.28-092.9-71+616-001.28-092.9-71

GAMZE, E.L.

Work of the Presidium of the Academy. Izv.ASIA no.3:150-153  
'59. (MIRA 13:6)

1. Zamestitel' glavnogo uchenogo sekretarya Presidiuma  
Akademii stroitel'stva i arkhitektury SSSR.  
(Building research)

GAMZE, E.L.

Work of the Presidium of the Academy of Construction and Architecture  
of the U.S.S.R. Izv. ASIA no.4:145-150 '59. (MIRA 13:6)

1. Zamestitel' glavnogo uchenogo sekretarya Prezidiuma Akademii  
Stroitel'stva i arkitektury SSSR.  
(Building research)

GAMZE, E.L.

In the Presidium of the Academy. Izv. ASIA no.1:109-110 '60.  
(MIRA 13:9)  
1. Zamestitel' glavnogo uchenogo sekretarya Presidiuma Akademii  
stroitel'stva i arkitektury SSSR.  
(Building research)

GAMZE, E.L.

In the Presidium of the Academy. Izv. ASIA no.2:112-113 '60.  
(MIRA 13:7)

1. Zamestitel' glavnogo uchenogo sekretarya Prezidiuma Akademii  
stroitel'stva i arkhitektury SSSR.  
(Building research)

GAMZE, E.L.

In the presidium of the Academy. Inv. ASIA no. 3:125-127 '60.  
(MIRA 13:12)

1. Zamestitel' glavnogo uchenogo sekretarya Prezidiuma Akademii  
stroitel'stva i arkhitektury SSSR.  
(Buildling research)

GAMZE, E.L.

In the Presidium of the Academy. Izv. ASIA no.4:122-124 '60.  
(MIRA 14:4)  
1. Zamestitel' glavnogo uchenogo sekretarya Prezidiuma Akademii  
stroitel'stva i arkhitektury SSSR.  
(Construction industry)

GAMZE, E.L.

In the Presidium of the Academy. Izv. ASIA no.1:107-110 '61.  
(MIRA 14:7)

I. Zamestritel' glavnogo uchenogo sekretarya Prezidiuma Akademii  
stroitel'stva i arkhitektury SSSR.  
(Construction industry) (Architecture)

GAMZE, E.L.

Review of the most important decisions. Izv. ASIA no.2:111-113  
'61.  
(MIRA 15:1)

1. Zamestritel' glavnogo uchenogo sekretarya Prezidiuma Akademii  
stroitel'stva i arkhitektury SSSR.  
(Construction industry)

GAMZE, E.L.

In the Presidium of the Academy. Izv.ASiA 4 no.1:126-128 '62.  
(MIRA 15:11)  
1. Zamestitel' glavnogo uchenogo sekretarya Prezidiuma Akademii  
Stroitel'stva i arkhitektury SSSR.  
(Construction industry)

GANZE, Z. N.

The production technology of heavyduty hydraulic turbines. Moscow, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1950. 261 p. (50-37366)

TJ870.G2

6 At 11:11, 12/11  
KOVALEV, N.N., laureat Stalinskoy premii; ANOSOV, F.V.; BUGRIN, S.K.;  
GARKAVI, Yu.Ye.; GRANOVSKIY, S.A.; ORGO, V.M.; ORLOV, I.V.; USTINOV,  
B.M.; GAMZE, Z.M., laureat Stalinskoy premii, dots., ratsenzent

[New turbines at the Dnieper Hydroelectric Power Station] Novye  
turbyne Dneprovskoi gidroelektrostantsii im. V.I.Lenina. Pod red.  
N.N.Kovaleva. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.  
lit-ry, 1951. 127 p.  
(Dnieper Hydroelectric Power Station)  
(Hydraulic turbines)

GAMZE, Z. M.

275  
741.113  
.GI

Technologie der Herstellung von Grosswasserturbinen.  
(Von) Z. M. Gamze und A. Ya. Goldsher. Berlin, Technik, 1954.

362 p. illus., diagrs., tables.

Translation from the Russian: "Technologiya proizvodstva krupnykh  
gidroturbin". Moscow, 1950.

Added T.-P. in Russian.

KOVALEV, N.N.; GAMZE, Z.M., dotsent

Improved engineering features in the design of large water turbines. Vest.mash.35 no.7:3-10 Jl'55. (MIRKA 8:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Kovalev)  
(Turbines)

GAMZE, Z.M., dotsent.

Technological analysis of some different designs of basic units  
and parts of turbines in Kuybyshev hydroelectric power plant.  
Energomashinostroenie no.7:17-23 Jl '56. (MLRA 9:10)

(Hydraulic turbines) (Kuybyshev Hydroelectric Power Station)

GAMLE, Z. M.; FLAGOV, GR. Z.

"Building Hydraulic Turbines," Technological Developments at the Leningrad Metal Works imeni Stalin, Moscow, Mashgiz, 1957. p 193.

GAMZE, Z.M., dots.

Technical analysis of variants of the principal assemblies and  
parts of turbines at the Kuybyshev Hydroelectric Power Station.  
[Trudy] IMZ no.4:306-320 '57. (MIRA 1114)  
(Hydraulic turbines)

GAMZE, Z.M.

BRONOVSKIY, G.A., inzh.; GAMZE, Z.M., dots.; GOL'DSHER, A.Ya., inzh.

Technical analysis of different designs of runners and shafts for  
hydraulic turbines at the Bratsk Hydroelectric Power Station.  
[Trudy] IMZ no. 4:337-356 '57. (MIRA 11:4)

(Hydraulic turbines)

GAMZE, Z.M., laureat Leninskoy premii

Cooperation of designers and engineers in designing large hydraulic turbines. Vest.mash. 40 no.6:74-79 Je '60. (MIRA 13:8)  
(Hydraulic turbines)

## PHASE I BOOK EXPLOITATION SOV/5460

Leningradskiy metallichесkiy zavod. Otdel tekhnicheskoy informatsii.

Nekotoryye voprosy tekhnologii proizvodstva turbin (Certain Problems in the Manufacture of Turbines) Moscow, Mashgiz, 1960. 398 p. (Series: Its: Trudy, vyp. 7) Errata slip inserted. 2,100 copies printed.

Sponsoring Agency: RSFSR. Soviet narodnogo khozyaystva Leningradskogo ekonomiceskogo administrativnogo rayona, Upravleniye tyazhelogo mashinostroyeniya, and Leningradskiy dvazhdy ordena Lenina metallichесkiy zavod. Otdel tekhnicheskoy informatsii.

Ed. (Title page): G. A. Drobilko; Editorial Board: Resp. Ed.: G. A. Drobilko, B. A. Glebov, A. M. Mayzel', and M. Kh. Mernik; Tech. Ed.: A. I. Kontorovich; Managing Ed. for Literature on Machine-Building Technology: Ye. P. Naumov, Engineer, Leningrad Department, Mashgiz.

PURPOSE: This collection of articles is intended for technical personnel in turbine plants, institutes, planning organizations, as well as for production innovators.

Card 1/12

APPROVED FOR RELEASE: 09/17/2001  
Certain Problems (Cont.)

CIA-RDP86-00513R000614210019-7"  
SOV/5460

COVERAGE: The experience of the LMZ (Leningradskiy metallichесkiy zavod - Leningrad Metalworking Plant) in the manufacture of modern large-capacity turbines is presented. Methods for the rationalization of basic manufacturing processes and for the mechanization and automation of manual operations are given. Descriptions of attachments and tools designed by LMZ for improving labor productivity and product quality are provided, and advanced inspection methods discussed. References accompany some articles. No personalities are mentioned. There are 26 references: 25 Soviet and 1 English.

## TABLE OF CONTENTS:

Foreword	3
I. NEW PROCESSING METHODS IN MACHINING AND ASSEMBLY	
Gamze, Z. M. [Engineer]. The Organization, Methods, and Trends in Efforts for Improving the Easy Manufacturability of Designs for Large Hydraulic Turbines	5

Card 2/12

GAMZE, Z. M.

Technological means for reducing material and labor consumption  
in the manufacture of large hydraulic turbines. Trudy LPI  
no.215:111-124 '61. (MIRA 14:11)

(Hydraulic turbines)  
(Industrial management)

GAMZE, Z.M., dotsent; GOLOSOVSKIY, S.I., inzh.

Some data on the economic and engineering efficiency in using  
welded units in the construction of large hydraulic turbines.  
Energomashinostroenie -9 no.2:24-27 F '63. (MIRA 16:3)  
(Hydraulic turbines)

GAMZE, Z. M., dotsent; LEN, S.N., inzh.

Wooden brackets for measuring large hydraulic turbine units.  
[Trudy] LMZ no.10:388-401 '64. (MIRA 18:12)

GANEE, Z.M., dotsent; GOLOSOVSKIY, S.I., inzh.

Economic effectiveness of using welded and cast components in  
the manufacture of large hydraulic turbines. [Trudy] TM  
no.10:343-358 '64. (MIRA 18:12)

l. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii  
i mashinostroyeniya (for Golosovskiy).

AUTHOR: Ganzulov, Yu.I. SOV/Sci. - 1-1001

TITLE: Technology of Iodine Separation by the Electrochemical Method  
(Tekhnologiya polucheniya yoda elektrokhimicheskimi metodami)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Nr 1, pp 104-110 (USSR)

ABSTRACT: In view of the difficulties in the separation of iodine from the solutions of salts or drilling waters, the author developed electrochemical method to separate iodine out of iodide solutions by means of anode oxidation of iodine ions. Wooden electric vats, carbon electrodes and commercial hydrochloric acid are used for the electrolysis. The voltage on the anode is approximately 1.2 v; the current intensity does not exceed 0.02 amp per square cm of the anode surface; the power consumption amounts to 0.7 kwh for separating 1 kg of iodine. The method may be employed for the separation of iodine out of the solutions of chlorous, sulfide and sulfate salts as well as out of the drilling waters from oil wells. Another method developed by the author is the new method of oxidation of molecular iodine into iodate in an acid medium. This latter method can find a wide application in industry, for it is a simple method of obtaining substances with strong oxidizing properties.

Card 1/2

SOV/80-59-1-17/44

Technology of Iodine Separation by the Electrochemical Method

There are 2 tables, 1 diagram, 1 graph and 17 Soviet references.

SUBMITTED: September 2, 1957

Card 2/2

GAN'ZULOV, Ya.I. (Leningrad)

"Quaternary fauna of Binagady" by R.D. Dzhafarov. Priroda  
51 no.10:125-126 0 '62. (MIRA 15:10)  
(Binagady region--Paleontology)  
(Dzhafarov, R.D.)

GAMZULOVICH, I. YA.  
GAMZULOVA, I. YA.

USSR/ Minerals

Card 1/1 Pub. 22 - 38/51

Authors : Grigor'yev, D. P., and Gamzulova, I. Ya.

Title : Parallel-columnar quartz from Avar Koysu sources in Dagestan

Periodical : Dok. AN SSSR 101/2, 339-342, Mar 11, 1955

Abstract : Mineralogical data are presented regarding the parallel-columnar quartz extracted from the Avar Koysu sources in Dagestan. The crystallographic orientation of quartz hexahedrons in parallel-columnar blocks is described. Nine references: 8 USSR and 1 German (1928-1953). Drawings; illustration.

Institution : Mining Institute, Leningrad

Presented by: Academician D. I. Shcherbakov, November 30, 1954

PODOL'SKAYA, M.Z., kandidat biologicheskikh nauk; GAN, A.I., inzhener.

Study of technical characteristics of cottonseed. Masl. -shir.  
prom. 23 no.1:1-4 '57. (MLRA 10:1)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta zhivotnykh.  
(Cottonseed)

1. 177

PODOL'SKAYA, M.Z., kandidat biologicheskikh nauk; GAN, A.I., inzhener.

Study of cottonseed for industrial uses. Masl.-zhir. prom. 23 no.2  
1957. (MIRA 10:4)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta shirov.

(Cottonseed)

MARKMAN, A.L., doktor khim. nauk; GAN, A.I., inzh.

Potentiometric determination of the acid number of dark oils.  
Masl.-zhir. prom. 24 no.2:3-5 '58. (MIRA 11:3)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta shirov.  
(Acids, Fatty--Analysis) (Oils and fats--Analysis) (Potentiometer)

GAN, A.I., inzh.

Investigating the conditioning of cottonseed. Masl.-zhir.prom.  
25 no.3:10-13 '59. (MIRA 12:4)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'sko-  
go instituta shirov.

(Cottonseed)

GAN, A.I., inzh.

Determination of the husk content of the cottonseed kernel,  
pulp, and oil cake. Masl.-zhir.prom. 26 no.6:10-11 Je '60.  
(MIRA 13:6)

1, Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta zhivot.

(Cottonseed)

• Sadik, A.I., instl.

Changes of cottonseed plant root during wetting. (Inst.-zdr. prov.  
27 no. 2:7-8 '31. (NII. 14:2)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta zhivot.

(Cottonseed)

IZMAILOV, I.M., inzh.; GAN, A.I., inzh.; ZALESOV, Yu.P., inzh.;  
IVASHINENKO, K.P., inzh.; KABANOV, N.V., inzh.

Unaccounted losses of oil in using the prepressing-  
continuous extraction system for processing cottonseed.  
Masl. - zhir. prom. 27 no.8:29-31 Ag '61. (MIRA 14:8)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhivot (for Ismailov, Gan, Zalesov). 2.  
Andizhanskiy maslozhirovoy kombinat (for Ivashinenko, Kabanov).  
(Cottonseed oil)

UMAN, A.I., inzh.; ISTRYEMENKO, T.A., inzh.

AOS-3 device for determining the lint index of cottonseeds.  
Masl. - zhir. prom. 27 no.8:31-32 Ag '61. (MIRA 14:8)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
tel'skogo instituta zhirov,  
(Linters) (Cottonseed)

GAN, A.I., inzh.; KATS, B.A., kand.tekhn.nauk [deceased]; NAAB, A.Ya., inzh.

Apparatus for a rapid determination of oiliness. Masl.-  
zhir.prom. 28 no.9:29-31 S '62. (MIRA 15:9)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta zhirov (for Gan, Kats). 2. Ferganskiy maslozhirovoy  
kombinat (for Naab).

(Extraction (Chemistry))

GAN, A.I., kand.tekhn.nauk; CHEBOTAREVA, A.P.

Losses of dry substances during the heating of cotton meal and  
oil cake. Masl.-zhir.prom. 30 no.2:13-14 F '64. (MIRA 17:3)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta zhirov.

GAN. [REDACTED] Ye. I.

--parazity domashnikh zhivotnykh i mery bor'by s nimi (Flies--  
Parasites of Domestic Animals and Measures for Combating Them). Tashkent.  
Akad.nauk Uzbek SSR. 1950. 32 pages with illustrations. In the Uzbek  
language.

U-5235

7  
TIN, Y. S. I.

"Oviro Gally-Cestrus Ovis L." Tachkent, Publishing of the Academy of Sciences,  
Uzbek SSR, 1953. 160 Pages with Illustrations (Institute of Zoology and  
Parasitology, Academy of Sciences, Uzbek SSR).

SO: Veterinariya, Vol 31, No 2 1954.

GHN, E. I.

GAN, E. I.

The Fly Vol'farta. *Wohlfahrtia magnifica* Schin  
Leaflet published by Izd-vo AN UzSSR, Tashkent, 1953, 1 p

The author reports on new information gathered on the biology, the rate of reproduction, emergence of the larva, dependence of the development on temperature, and other factors of *Wohlfahrtia* as well as its related species *W. trina*. Author also reports on results of experiments with the treatment of wounds infected by the larva. The wound is cleansed with EMP, an emulsion of an ether extract from the rhizome of the fern (*Dryopteris filixmas*) 2.0 parts, spirit of soap (alcoholic soap solution) 2.0 parts, calcined soda 0.2 parts, water 96.0 parts. The emulsion cleans the wound and hastens healing. (RZhBiol, No 2, 1955)

SO: Sum. No. 639, 2 Sep 55

GAN, E.I., kandidat biologicheskikh nauk.

New means of combatting gadfly larvae in sheep. Veterinariia 31  
no.3:47-52 Mr '54. (MLRA 7:2)

1. Institut zoologii i parazitologii Akademii nauk Uzbekskoy SSSR.

GAN, E.I.; KADYROVA, M.

A faunistic survey of horseflies of southeastern Uzbekistan. Uzb.  
biol. zhur. no.1:51-57 '61. (MIRA 14:3)

1. Institut zoologii i parazitologii AN UzSSR.  
(SURKHAN-DARYA PROVINCE—HORSEFLIES)  
(TASHKENT PROVINCE—HORSEFLIES)

GAN, S.I.; YEREMYAN, V.L., Uchenye Zapiski na Temu: Bactri-  
seli; Malopchikov, A.V.; 1961; Naukova Dumka, Kiev, 1962.

[Baculies of sheep, goats, and horses in Kazakhstan]  
anatomy, biology, and measures for control] - v. 1  
koje rogatogo skota i koniakoy Uzbekistana; anatomija,  
biologija, mery bor'by. Tashkent, Naukova Dumka, 1961.  
1964. 226 p.

GAN, G.

USSR/Chemistry - Alkaloids, in Scopolia Carneolica  
Chemistry - Atropine

Feb 48

"Scopolia Carneolica as a Source of Atropine-Type Alkaloids," G. Tutayev, G. Gan,  
Z. Mekarova, Ye. Bogacheva, Vinnitsa State Med Inst, 3½ pp

"Med Prom SSSR" No 2

Plant grows in Vinitsa Oblast. Alkaloid content exceeds that of poppy and henbane.  
Describes analysis of specimens. Further work is desirable. Includes four  
photographs.

PA 13/49T17

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614210019-7

SKRIFTUNOV, N.A.; CAN, G.N.

Penetration of temporary variations in sea level into the mouth of the  
Neva. Trudy GOIN no. 78:40-62 '64. (MIRA 17:10)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614210019-7"

G-977 6-5  
C-1

Rendering swimming-pool waters harmless with silver nitrate. G. S. Gun and K. M. Smirnov. *Vodnoye chistoche* Sand. Tekh. 15, No. 12, 13-5(1940). Lab. expts. showed high bactericidal effect for  $\text{AgNO}_3$ ; similar results were observed on treating the water in the pool with 0.5 mg.  $\text{Ag}^{+}$ . This was the min. necessary to show the presence of  $\text{Ag}^{+}$  several days later. In practice it was found expedient to treat 400 cu. m. of water, which is changed every 7 days, twice during this period, with a total of 300 g. The procedure has been successfully used for 2 yrs. B. G.

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

GAN, G.S., prof., NAYSHTEYN, S.Ya. kand.med.nauk (Kiyev)

Material on developing the required sanitary conditions for  
discharging sewage from coal preparation plants into open waters.  
Vrach.delo no.3:267-269 Mr'58 (MIRA 11:5)

1.. Ukrainskiy institut kommunal'noy gigiyeny.  
(SEWAGE DISPOSAL)

GAN, G.S., prof.; GROCHISHKIN, D.K., prof.; BONDAR', V.A., docent; SKRIPKA,  
V.K., kand. med. nauk; BOLDYREV, Ye.M., kand. med. nauk; PASHCHENKO,  
N.P., kand. med. nauk; SYROEZHKO, P.V., inzh.; KLEMOV, D.D., inzh.

Hygienic conditions and labor safety at Donetsk hydraulic mines.  
Ugol' 39 no.9:87-93 S '64. (CIA 17:10)

1. Luganskiy meditsinskiy institut (for Gan, Grechishkin, Bondar',  
Skripka, Boldyrev, Pashchenko). 2. Ukrainskiy nauchno-issledovatel'skiy  
institut gidrodobychi ugliya (for Syroezhkin, Klimov).

GAN, I., prepodavatel'

Organize the supply of spare parts. Za rul. 16 no.10:12  
0 '58. (MIRA 12:1)

1. Sel'skokhozyaystvennyy tekhnikum, Murmansk.  
(Automobiles--Apparatus and supplies)

L 33486-66 EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HM/WB  
ACC NR: AP6012583 (A) SOURCE CODE: UR/0314/66/000/004/0026/0027

AUTHOR: Gladirevskaya, S. A. (Candidate of technical sciences); Pavlov, N. V. (Engineer);  
Gerasimenko, G. I.; Gan, I. I. (Engineer)

ORG: none

(Engineer)

TITLE: Bimetallic steels in the production of containers

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 4, 1966, 26-27

TOPIC TAGS: corrosion resistant steel, railway rolling stock, transportation equipment, solid mechanical property, bimetal, storage tank, metal cladding, metal drawing, welding, protective coating, corrosion resistance /St. 3 + OKh23N28M3D3T corrosion-resistant steel

ABSTRACT: An industrial batch of St. 3 + OKh23N28M3D3T bimetallic corrosion-resistant steel has been produced by the Chelyabinsk Metallurgical Works (Chelyabinskiy metallurgicheskiy zavod) for the purpose of building an experimental tank from this steel. The mechanical characteristics of the latter are described. Tests for general and intercrystalline corrosion made on the cladding layer showed a high corrosion resistance. In 40% sulfuric acid, the corrosion rate was 0.001 — 0.008 mm/year. The corrosion-fatigue strength of this two-layer steel was also relatively high. Drawing of the steel associated

Card 1/2

UDC: 66.023.6:621.9-419

L 33486-66

ACC NR: AP6012583

with the stamping of bottoms can be carried out in the cold state, or, if the pressure applied by the press is insufficient, at 1050 — 900C. Recommendations for welding the steel are given. An experimental tank car constructed from this steel by the Zhdanov Heavy Machinery Plant (Zhdanovskiy zavod tyazhelogo mashinostroyeniya) successfully passed all the plant tests. Tests on the mechanical properties of bimetallic steel were performed in NIIKhimmash under the supervision of Engr. L. L. Kravchenko. Orig. art. has: 1 figure.

SUB CODE: 113 SUBM DATE: none / ORIG REF: 001

joining of dissimilar metals 18

Card 2/2 92.

GAN, K.H.; MAMOEN, R.; WARSA, R.

Observations on the influenza epidemic of 1957 in Djakarta (Indonesia) and on antibodies to influenza virus in sera from the general population in Djakarta. J. Hyg. Epidem., Praha 2 no.4:484-491 1958.

1. Medical Faculty, University of Indonesia, Pegangsaan Timur 16, Djakarta, Pegangsaan Timur 16, Indonesia. (for Gan).

(INFLUENZA, epidemiol.

in Indonesia, 1957 epidemic & antibody level in general population)

GAN, M. B.

"Using Electrical Heating for Food Cooking in Enterprises of Public Nutrition." Sub 16 May 47, Inst of National Economy imeni G. V. Plekhanov

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sum No. 457, 18 Apr 55

GAN, Maksimilian Bernardovich; CHUKAYEV, Dmitriy Sergeyevich; KAGANOVA, A.A.,  
red.; SUDAK, D.M., tekhn.red.

[Electrical equipment for public eating establishments] Elektri-  
cheskoe oborudovanie predpriatiij obshchestvennogo pitanija.  
Moskva, Gos. izd-vo torg. lit-ry, 1958. 298 p. (MIRA 12:2)  
(Restaurants, lunchrooms, etc.--Electric equipment)

VYSHELESSKII, A.N., prof.; CHUKAYEV, D.S., prof.; KOMAROV, N.S., prof.;  
SENATOV, I.G., dots.; RYABOV, V.I.; NEUGODOV, Ye.V.; GOROZHANKIN,  
M.G.; GAN, M.B., dots., kand. tekhn. nauk; retsenzent; RAYSKIY,  
I.D., dots., retsenzent; LIKHAREVA, N.V., kand. tekhn. nauk, re-  
tsenzent; SHCHEGLOV, V.P., kand. tekhn. nauk, retsenzent;  
RUDOMETKIN, F.I., inzh., retsenzent; BAULIN, V.A., red.; EL'KINA,  
E.M., tekhn. red.

[Equipment of public food service establishments; electrical, re-  
frigerating, and sanitary equipment] Oborudovanie predpriatii ob-  
shchestvennogo pitanija; elektricheskoe, kholodil'noe i sanitarno-  
tekhnicheskoe oborudovanie. Moskva, Gos.izd-vo torg. lit-ry,  
1961. 447 p.

(MIRA 15:3)

(Restaurants, lunchrooms, etc.--Equipment and supplies)

USSR/Human and Animal Physiology - Thermoregulation.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 12566

Author : Gan, P.

Inst

Title : Question of Development of Thermoregulatory Polypnea  
in Puppies

Orig Pub : Fiziol. zh. SSSR, 1958, 44, No 1, 23-28

Abstract : A record was kept of the rectal temperature (RT) and respiration of puppies which were placed in a chamber through which air passed at a constant rate (20 liter per minute). The puppies appeared restless at room temperature. When the chambers were maintained at a high temperature (40 degrees), the puppies became calm and went to sleep. Their RT, at the beginning rather low, quickly rose. After some time the puppies roused and began to whimper. Respiration rate (whimpering) was the same as at room temperature. With the elevation

Card 1/2

USSR/Human and Animal Physiology - Thermoregulation.

T

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614210019-7

in RT the whimpering occurred with the mouth of the animal completely open, the rate increased to 50, 60, and even to 90 in a minute, and profuse salivation was observed. Periodic manifestations of short outbursts of polypnea (P) were observed, which continued in puppies up to 5 days-old for 3 - 8 seconds, and in older ones (up to 10 days) somewhat longer. By placing the puppy back in the colder compartment, it quieted. With this, in a one day-old puppy there was observed typical dyspnea with the respiration rate ~ 180 per minute. Between the 9th and 12 day with the effect of warmth the RT increased, and typical thermal dyspnea was observed. Only with the 17th day of life did dyspnea occur prior to the elevation of RT.

Card 2/2

GAN, P. A.

"The Results of Mountain Forestry and the Acclimatization of  
Trees and Bush Varieties in the Fir-Forest Zone of the Issyk  
Kul Basin." Cand Agr Sci, Kazakh Agricultural Inst, 3 Nov 54.  
(KP, 12 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR  
Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

GAN, P.A.; PROTOPOPOV, G.F., redaktor; SERKERYAKOV, V.I., tekhnicheskiy  
redaktor

[An experiment in the cultivation of white and pubescent birch in  
the region of the spruce forests of Tien Shan] Opyt razvedeniia  
berezy borodavchatoi i pushistoi v poiasse slovykh lesov Tian'-  
Shania. Frunze, Izd-vo Akademii nauk Kirgisskoi SSR, 1955. 14 p.  
(Tien Shan--Birch) (MLRA 9:9)

GAN, P.A.

Experiment in raising the curved birch (*Betula procura* Litw.).  
Bot. zhur. 42 no. 4:642 Ap. '57.  
(MLRA 10:5)

1. Kirgizskaya lesnaya optytnaya stantsiya Instituta biologii Akademii  
nauk Kirgizskoy SSR.  
(Kirghizistan--Birch)

GAN, P.A.

[Mountain afforestation; introduction and acclimatization of trees  
and shrubs in the spruce forest belt bordering the Irsyk-Kul] Опыт  
горного лесоразведения; introduksiia i akklimatizatsiia drevesnykh  
i kustarnikovykh porod v poiasse slovykh lesov Priissykkul'ia.  
Frunze, AN Kirgizskoi SSR, 1957. 108 p. (MIRA 11:3)  
(Kirghizstan--Afforestation)

GAN, P.A.; DZHANAYEVA, V.M.; KUNCHENKO, A.I.; LYSOVA, N.V.; NIKITINA,  
Ye.V.; PROTOPOPOV, G.F.; PRUTENSKIY, D.I.; TKACHENKO, V.I.;  
ANOKHINA, M.G., tekhn.red.

[Trees and shrubs of Kirghizistan] Derev'ia i kustarniki  
Kirgizii. Frunze. No.1. [Gymnospermae] Golosemennye. 1959.  
119 p. (MIRA 13:2)

1. Akademiya nauk Kirgizskoi SSR, Frunze. Institut botaniki.  
Sektor lesa.  
(Khirghizistan---Gymnosperms)

GAI, E.A.; DZIAYEVA, V.M.; KATAFA-KORBUT, I.G.; KRIVOSHNEYEVA, L.S.; KUNICHENKO, A.I.; ORLOVA, N.A.; PLOTOFPOV, G.F.; PRUTENSKIY, D.I.; TKACHENKO, V.I.; SOROF BAYEVA, N.V., red. izd-va; POPOVA, M.G., tekhn. red.

[Trees and shrubs of Kirghizia] Derev'ia i kustarniki Kirgizii. Frunze, Izd-vo AH Kirgizskoi SSR. No.2. [Families: Liliaceae-Moraceae] Semeistva lileinyye-tutovye. 1961. 211 p.

(MIRA 15:10)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut botaniki. Sektor lesa.

(Kirghizistan--Angiosperms)

GAN. V.

Those who look ahead. Prof.-tekh. obr. 17 no.8:15 Ag '60.  
(MIRA 13:8)  
(Socialist competition)

GAN, V.

Fame through work. Prof.-tekhn. obr. 17 no.10;12-13 O '60.  
(MIRA 13:10)  
(Labor and laboring classes)  
(Decorations of honor)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614210019-7

GAN, V.

Coevals of the astronaut. Prof.-tekhn.oibr. 18 n°.11:25 N '61.  
(MIRA 14:11)  
(Elektrostal'--Steelworkers)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614210019-7"

VOROB'YEV, A.; GAN, V.

Heroism of astronauts is an example for all Soviet youth. Prof.-  
tekh. obr. 19 no.9:1-3 S '62. (MIRA 15:10)

(Astronauts)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614210019-7

GAN, V.

New shift arrives at a plant. Prof.-tekhn. obr. 21 no.10:4-5  
(MIRA 17:11)  
0 '64.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614210019-7"

GAN, V. N.

Accounting and financial statements in production units of machine building works. Moskva, Mashgiz, 1951.

GAN, Viktor Nikolayevich; SAVEL'YEV, V.I., redaktor; LARIONOV, G.Ye.,  
tekhnicheskiy redaktor.

[Economics and organization of production in the electric  
engineering industry] Ekonomika i organizatsiya proizvodstva v  
elektrotekhnicheskoi promishlennosti. Moskva, Gos. energ. izd-vo,  
1956. 388 p. (MLRA 9:5)  
(Electric industries)

25(5)

## PHASE I BOOK EXPLOITATION

SOV/1721

Gan, Viktor Nikolayevich

Ekonomika i organizatsiya proizvodstva v elektrotekhnicheskoy promyshlennosti (Economics and Organization of Production in the Electrical Industry) 2d ed., rev. Moscow, Gosenergoizdat, 1958. 485 p. 13,000 copies printed. Eds.: F.F. Vorontsov, and V.I. Savel'yev; Tech. Ed.: K.P. Voronin.

PURPOSE: This textbook is intended for students in industrial engineering courses at tekhnikums of the electrical industry. It will also be of use to engineering and technical personnel in plants of the electrical industry.

COVERAGE: This textbook is the second edition of "Economics and Organization of Production in the Electrical Industry" published in 1956. It briefly covers economic problems of the electrical machinery industry, organization, production planning, and the setting of technical standards in the manufacturing plants. Greater attention is given to calculations for line production, determination of the size of the lot, length

Card 1/30

GANAGO, F. M.

GANAGO, F. M. -- "Thoracoplasty in Treating Cavernous Forms of Pulmonary Tuberculosis in Children and Adolescents." Sverdlovsk, 1955.  
(Dissertation for the Degree of Candidate in Medical Sciences).

So.: Knizhnaya Litopis', No. 7, 1956.

GANAGO, F.M.; SHULUTKO, M.L.

Treatment of pulmonary tuberculosis with extrapleural pneumothorax  
in children and adolescents. Probl.tub. 34 no.3:37-42 My-Je '56.

(MLRA 9:11)

1. Iz khirurgicheskogo otdeleniya (zav. M.L.Shulutko) Sverdlovskogo  
gorodskogo detskogo tuberkuleznogo sanatoriya No.1 (i.o.glavnogo  
vracha K.I.Skvortsov)

(PNEUMOTHORAX, ARTIFICIAL, in inf. and child  
in child.& adolescents)

GANAGO, F.M., kand.med.nauk

Deformities of the thoracic cage and spinal column following thoracoplasty in children and adolescents. Probl.tub. 37 no.4:69-75 '59.

(MIRA 12:10)

1. Iz detskogo otdeleniya (zav. F.M.Ganago) Sverdlovskogo nauchno-issledovatel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR (dir. - prof.I.A.Shaklein, nauchnyy rukovoditel' N.G.Butkin) na baze Sverdlovskogo detskogo tuberkuleznogo sanatoriya No.1 (glavnnyy vrach Ye.A.Korol').

(COLLAPSE THERAPY, compl.

deformities of thoracic cage & spinal column  
after thoracoplasty in child. & adolescents (Rus))  
(THORAX, dis.

deformities of thoracic cage after thoracoplasty  
in child. & adolescents (Rus))  
(SPINE, dis.

deformities after thoracoplasty in child. &  
adolescents (Rus))

GANAGO, F.M., kand. med. nauk; Prinimali uchastiye: ALEKSEYEVA, R.M., vrach (Sverdlovsk); AYZENSHTEYN, B.S., vrach (Sverdlovsk); BABINOVA, G.D., vrach (Sverdlovsk); BOROVITSKAYA, L.M., vrach (Sverdlovsk); VARGANOVA, M.V., vrach (Sverdlovsk); KOPYLOVA, K.P., vrach (Sverdlovsk); SOKOLOVA, O.V., vrach (Sverdlovsk); SHEVTSOVA, R.P., vrach (Sverdlovsk); SHELOMOVA, I.M., vrach (Sverdlovsk); BYKHOVSKAYA, M.A., vrach (Revda); BELYAYEVA, N.Ya., vrach (Magnitogorsk); KRUGLOVA, N.A., vrach (Kurgan); NIKIFOROVA, F.N., vrach (Kurgan); MITINA, O.A., vrach (Asbest); PORKHOVNIKOVA, E.D., vrach (Ufa); PONOMAREVA, N.I., vrach (Orenburg); RASSOSHNYKH, G.F., vrach (Perm'); SAZANOVA, V.V., vrach (Izhevsk)

Chemoprophylaxis of tuberculosis in children and adolescents in foci of tuberculous infection. Probl. tub. 42 no.1:6-11 '64.

(MIRA 17:8)

1. Detskoye otdeleniye (zav. F.M. Ganago) Sverdlovskogo instituta tuberkuleza (dir. - prof. I.A. Shaklein) (for Ganago).

GANACO, L.I., kand. khim. nauk, dotsent; STEPANOVA, T.V.; PODOBED, N.D.,  
kand. khimich. nauk, dotsent.

Chemical nickel plating of steel articles in alkaline pyro-  
phosphate baths. Vest. mashinostr. 44 no.11:33-34 N '64  
(MIRA 18:2)

GAVRILOV, I. I.

Dissertation: "Oniplass Method of Detecting and Determining Glass Dyes." Cand. Chem. Sci., Ural Polytechnic Institute, Sverdlovsk, 1954. (Referativnyy Zhurnal-khimii, No 10, Moscow, May 54)

SO: SUA 313, 23 Dec 1954

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614210019-7

Ganago, L.I.

*Mell* ✓ Nondestructive method for determination of manganese in  
glass. L. I. Ganago and N. A. Tarasewitz. J. Am. Chem.  
U.S.S.R. 10, 373-2 (1955) (Engl. translation). See C.I.  
50, 7413.

PM

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614210019-7"

Ganago, L.I.

Nondestructive method for determination of manganese  
in glass. L. I. Ganago and N. A. Tuzanov (Ural Poly-  
tech. Inst., Sverdlovsk). Zhar. Anal. Khim. 10, 378-9  
(1955).--Into a hole made by paraffin walls on the analyzed  
glass and on a standard glass are placed 2 drops of HNO<sub>3</sub>, after  
5 min. 3-4 drops of H<sub>2</sub>O<sub>2</sub> is added, and the soln. is transferred  
into glass cylinders by means of capillaries. The holes are  
then rinsed into the cylinders, this vol. is brought to 1.5-2 ml.,  
then 3-4 drops H<sub>2</sub>SO<sub>4</sub> is added, and the contents in the  
cylinders is brought to a boil. Next (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, AgNO<sub>3</sub>,  
and H<sub>2</sub>SO<sub>4</sub> are added and the boiling repeated, no development  
of the color. The color of the analyzed soln. is then compared  
with that of the standard glass. M. Heath

GANAGO, L.I.

1034. Determination of colouring matter in glass by surface testing. N. A. Paninaev and L. I. Ganago (Ural Polytech. Inst.), Zavod. Lab., 1956, 21 (9), 1039-1040.—The clean surface of a sample, and also that of a standard glass, are coated with paraffin wax and two drops of H<sub>2</sub>O are placed in a hole in the wax. The liquid is stirred with a waxed rod for 5 min., 2 or 3 drops of water are added, and the solution is transferred by means of a capillary to a 10-ml cylinder. The waxed hole is washed out with water into the cylinder, the vol. is made up to between 1.5 and 2 ml, 3 or 4 drops of dil. H<sub>2</sub>SO<sub>4</sub> (1 + 1) are added, the liquid is boiled for a few sec. to render it clear, the appropriate reagent is added to each cylinder, and water is added to one of the cylinders so that the colours match. The method is suitable for determining Co, Mn, Ni and Cu. (Cf. Anal. Abstr., 1956, 8, 1014.) G. S. SURIN

PM